

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings of claims in the application.

1. (Currently Amended) A method for purifying teicoplanin A₂ comprising:

(i) purifying a filtrate of a fermentation broth comprising teicoplanin A₂ on a synthetic adsorbent, to obtain a primary pre-purification solution;

(ii) purifying the primary pre-purification solution on a cation exchange resin having a ~~high~~ cross-linkage of over 8%, a catalytic resin, or a chelate resin, to create a secondary pre-purification solution;

(iii) purifying the secondary pre-purification solution on a reversed phase resin, to create a purified teicoplanin A₂ solution; and

(iv) drying the purified teicoplanin A₂ solution to form a powder.

2. (Currently Amended) The method according to claim 1, wherein the synthetic adsorbent is chosen from ~~high~~ porous styrene ~~type~~ synthetic adsorbents, ~~high~~ porous styrene ~~type~~ synthetic adsorbents having bromine chemically substituted, ~~high~~ porous styrene/divinyl polymers, macroreticularly cross-linked polymer, macroreticularly cross-linked aliphatic polymer, macroreticularly cross-linked aromatic polymer, methacrylic synthetic adsorbents, and carbonaceous synthetic adsorbents comprising a ~~high-porosity~~ styrene/divinyl benzene ion exchange resin.

3. (Canceled)

4. (Previously Presented) The method according to claim 1, wherein the synthetic adsorbent is eluted with purified water containing acetone in a concentration of 50 to 80%.

5. (Canceled)

6. (Canceled)

7. (Currently Amended) The method according to claim [[6]] 1, wherein the resin used in the secondary pre-purification is regenerated by sequentially washing it with sodium hydroxide and a weak acid solution ~~such as acetic acid or diluted hydrochloric acid~~ and then, purified water so that the final eluate of purified water is has a pH in the range of pH 4.5 to 7.0.

8. (Currently Amended) The method according to claim 1, wherein the eluent used in the secondary pre-purification is purified water having a pH in the range of pH 10 to 13.

9. (Previously Presented) The method according to claim 1, wherein the reversed phase resin comprises a silica containing non-polar side chain having 1 to 18 carbons and having a particle size of 15 to 150 μm .

10. (Canceled)

11. (Original) The method according to claim 1, wherein the eluent used in the final purification step is purified water containing acetone or acetonitrile in a concentration of 20 to 30%.

12. (New) The method according to claim 7, wherein the weak acid solution comprises acetic acid or diluted hydrochloric acid.